

PCT



Attorney Docket No.: P67083US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Marcus HARTMANN et al.

Serial No.: 09/914,870

Group Art Unit: Unassigned

Filed: September 4, 2001

Examiner: Unassigned

For: B-HEXOSAMINIDASE AND A DNA SEQUENCE CODING IT OBTAINED FROM  
CILATES AND USE THEREOF

**INFORMATION DISCLOSURE STATEMENT**

Commissioner of  
Patents  
Washington, DC 20231

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

The patents and publications listed on Form PTO-1449 were cited in the attached International Search Report.

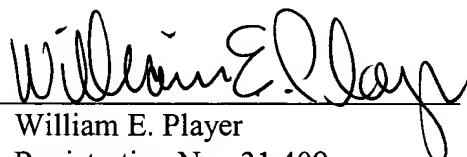
In accordance with 37 CFR §1.97(b)(1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within

U.S. Patent Application No.: 09/914,870  
Attorney Docket No.: P67083US0

three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR §1.491. Accordingly, no fee is required.

Respectfully submitted,

JACOBSON HOLMAN PLLC

By:   
William E. Player  
Registration No. 31,409

Dated: October 30, 2001

400 Seventh Street, N.W.  
Washington, DC 20004  
(202) 638-6666

Sheet 1 of 2

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.:

P67083US0

SERIAL NO.:

09/914,870

APPLICANT:

Marcus HARTMANN et al.

FILING DATE:

September 4, 2001

GROUP:

Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
WO 98/50512	12/1998	WIPO			
WO 98/39459	09/1998	WIPO			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	Peter HUNSELER et al., "Biosynthesis of Secreted $\beta$ -Hexosaminidase in Tetrahymena Thermophila", Biochem Journal, (1988), Vol. 252, No. 3, pgs. 837-842.
	Arno TIEDTKE, "Purification and Properties of Secreted N-Acetyl- $\beta$ -D-Hexosaminidase of Tetrahymena Thermophila", Comp. Biochem Physiol. B. Comp. Biochem, Vol. 75B, No. 2, (1983), pgs. 239-244.
	Brian F. O'DOWD et al., "Isolation of CDNA clones coding for the $\beta$ Subunit of Human $\beta$ -Hexosaminidase", Proc. Natl. Acad. Sci., Vol. 82, (1995), pgs. 1184-1188.
	Jeri Ann BOOSE et al., "Synthesis of a Human Lysosomal Enzyme, $\beta$ -Hexosaminidase B, Using the Baculovirus Expression System", Protein Expression and Purification, Vol. 1, No. 2, (1990), pgs. 111-120.
	M.S. ALAM et al., "Molecular Cloning of a Gene Encoding Acid $\alpha$ -Glucosidase from Tetrahymena Pyriformis", J. Eukaryot Microbiol, Vol. 43, No. 4, (1996), pgs. 295-303.
	Thomas KIY, et al., "Production of Lysosomal Enzymes by Continuous High-Cell-Density Fermentation of the Ciliated Protozoon Tetrahymena Thermophila in a Perfused Bioreactor", Enzymes and Microbial Technology, Vol. 18, No. 4, (1996), pgs. 268-274.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 2

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.:

P67083US0

SERIAL NO.:

09/914,870

APPLICANT:

Marcus HARTMANN et al.

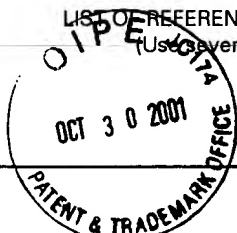
FILING DATE:

September 4, 2001

GROUP:

Unassigned

LIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	Thomas KIY et al., "Three Pools of Lysosomal Enzymes in Tetrahymena Thermophila", Experimental Cell Research, Vol. 205, No. 2, (1993), pgs. 286-292.
	L. RASMUSSEN et al., "Differential Increase in Activity of Acid Phosphatase Induced By Phosphate Starvation in Tetrahymena", Experimental Cell Research, Vol. 201, No. 2, (1992), pgs. 522-525.
	Thomas KIY et al., "Lysosomal Enzymes Produced by Immobilized Tetrahymena Thermophila", Applied Microbiol and Biotechnol, Vol. 35, No. 1, (1991), pgs. 14-18.
	Marta BENCSATH et al., "The Effect of an Electric Field on the Release of Hexosaminidase in Tetrahymena", Vol. 74, No. 301, (1992), pgs. 227-232.
	Yoshiko BANNO et al., "Secretion Heterogeneity of Lysosomal Enzymes in Tetrahymena Pyriformis", Experimental Cell Research, Vol. 170, No. 2 (1987), pgs. 259-268.
	Per Hove ANDREASEN et al., "Unusual Ciliate-Specific Codons in Tetrahymena mRNAs are Translated Correctly in a Rabbit Reticulocyte Lysate Supplemented with a Subcellular Fraction from Tetrahymena", Biochem J., Vol. 244, No. 2, (1987), pgs. 331-335.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.